



New! Thermo Scientific Refrigerated and Heated Bath Circulators

A new generation of advanced, configurable solutions to meet all your temperature control needs

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Thermo Scientific temperature control products represent a giant leap forward in performance, features, configurability and thermostat technology.

Configure the most flexible, cost-effective temperature control solutions for any application.

- Pharmaceutical
- BioTech
- Chemical/Petrochemical
- Food & Beverage
- QA/QC
- Research & Development
- Analytical Instruments

Table of Contents

STANDARD & ADVANCED Thermostats*	pg. 2-3
ARCTIC Refrigerated Bath Circulators	pg. 4-6
GLACIER Refrigerated Bath Circulators	pg. 7
SAHARA Heated Bath Circulators	pg. 8-13
Accessories	pg. 14-15
Service	pg. 16-17



Environment-friendly Design

Save up to 80% on energy costs and thousands of kilowatt hours during the life of the system.

- All units are RoHS compliant (lead and mercury free)
- Recycled packaging

Safe Operation

Units are UL/CSA/CE compliant, assuring safe operation in the unlikely event of a fault condition.

- 115/60 Hz units are UL/CE/CSA Listed or Recognized
- All units are RoHS compliant
- Optional IQ/OQ compliance

Ease of Use

All thermostats feature an intuitive user interface with bright display to view critical readings, and each system comes with a quick-start guide for simple set up and operation.

Thermostat can be turned and positioned on all four sides on the bath for easy viewing

Superior Warranty and Service

All solutions come with a 36-month warranty and are backed by Thermo Scientific service and support worldwide.

*Thermostats are referenced as stand-alone immersion circulators or integrated control heads in the Arctic and Sahara bath circulators

Thermo Scientific Refrigerated and Heating Bath Circulators

A new generation of Thermo Scientific temperature control systems delivers unsurpassed performance and configurability. Now you can match a specific thermostat to the particular heated or refrigerated bath that best meets your application requirement. Three series of thermostats* provide a range of performance and features needed to configure the optimum cost-effective solution.

4 Steps to a perfect fit!

1

Choose your Thermostat

Use the **Selection Guide** on Page 3 to choose the thermostat that best fits your specific application requirements.



2

Choose your Bath

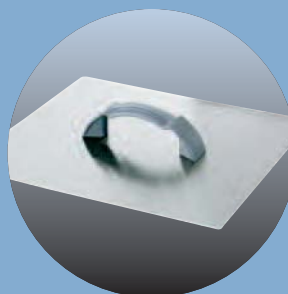
Then, match the thermostat to a refrigerated or heating bath (see pages 4-13) for the perfect temperature control system.



3

Add Your Accessories

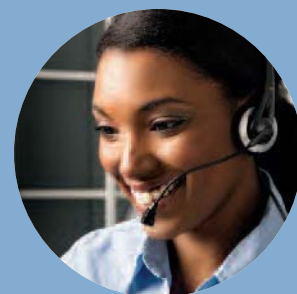
Choose the accessories you need for your specific application. (see pages 14-15)



4

Service

Add your service options (see pages 16-17)



Thermo Scientific STANDARD and ADVANCED Series Thermostats

Versatile Thermostats in a Wide Range of Performance Levels

These NEW thermostats combine the best temperature control technologies offering 2 levels of performance with multiple features and benefits. Whether used alone or matched up with one of the refrigerated or heating baths, we offer a thermostat that will meet your needs.

The STANDARD (SC) Series of Thermostats

Choose from 3 options. These thermostats are designed for ease-of-use and energy efficiency. Powerful pumping and heating capacity for closed loop applications, this is an economical choice offering solid performance for applications ranging from -28°C to +150°C

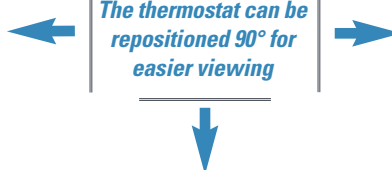
The ADVANCED (AC) Series of Thermostats

Choose from 2 options. Additional features may be added when you need greater precision, force suction pump, external temperature probe, and temperature ranges from -50° to 200°C.

STANDARD SC 150 thermostat



The thermostat can be repositioned 90° for easier viewing



ADVANCED AC 150 thermostat



To purchase immersion circulators separately, please use the information below.

Description		Voltages		
		115V/60Hz ^{1,2}	230V/50Hz ¹	100V/50-60Hz ¹
SC 100 thermostat w/clamp	Order no.	152-0018	152-0011	152-0016
SC 150 thermostat w/clamp	Order no.	153-0018	153-0011	153-0016
SC 150L thermostat w/clamp	Order no.	154-0018	154-0011	154-0016
AC 150 thermostat w/bridge	Order no.	155-0028	155-0021**	155-0026
AC 200 thermostat w/bridge	Order no.	156-0028	156-0021**	156-0026

A water cooling coil for the STANDARD and ADVANCED thermostats can be purchased separately as an accessory. See page 14.

Certification: ¹ CE ²  

Visit <http://www.ul.com/global/eng/pages/> to view the UL listings for Thermo Fisher Scientific. Reference file #E164214 for these products.

**Voltage is 230/50-60Hz.

Step 1



Use the table below to **choose the thermostat that best fits your specific application requirements**. Then, match the thermostat to a refrigerated or heating bath.

	STANDARD series			ADVANCED series	
Model	SC 100	SC 150	SC 150L	AC 150	AC 200
Thermostat Performance					
Heating cap.@ 230V/115V (kW)	2/1.2	2/1.2	2/1.2	2/1.2	2/1.2
T max (°C)	100	150	150	150	200
Temp. stability (°C)**	0.02	0.02	0.02	0.01	0.01
Max flow rate (l/min)	17	17	17	20	20
Max pressure (mbar/psi)	300/4.35	300/4.35	300/4.35	475/6.89	475/6.89
Max suction (mbar/psi)				330/4.85	330/4.85
Flow rate / pump speed steps	2	2	2	3	3
Immersion depth (mm)	75..145	75..145	75..190	75..145	75..145
Dimensions/Weight					
Display dimension (mm)	LCD 53x29	LCD 53x29	LCD 53x29	LCD 71x39	LCD 71x39
Overall dimensions (mm) H x W x D	336 x 138 x 199	336 x 138 x 199	384 x 138 x 199	372 x 165 x 199	372 x 165 x 199
Overall dimensions (in) H x W x D	13.2 x 5.4 x 7.8	13.2 x 5.4 x 7.8	15.1 x 5.4 x 7.8	14.6 x 6.4 x 7.8	14.6 x 6.4 x 7.8
Net weight	3.3 Kg	3.3 Kg	3.3 Kg	4.2 Kg	4.2 Kg
Safety & Compliance					
Safety class acc. DIN12876	1 / NFL	3 / FL	3 / FL	3 / FL	3 / FL
Compliance	UL/CSA/CE	UL/CSA/CE	UL/CSA/CE	UL/CSA/CE	UL/CSA/CE
IQ/OQ	Optional	Optional	Optional	Optional	Optional
RoHS	•	•	•	•	•
Alarm Sources					
High temperature alarm	•	•	•	•	•
Low level alarm		•	•	•	•
Refrigeration alarm	•	•	•	•	•
Application threshold				•	•
Application alarm (external)*				Optional	Optional
Alarm indicators					
Acoustic alarm	•	•	•	•	•
Optical alarm	•	•	•	•	•
Connectivity					
Remote sensor port				•	•
Refrigeration port	•	•	•	•	•
USB port		•	•		•
Multi function port					•
RS232		Optional	Optional	Optional	Optional
RS485		Optional	Optional	Optional	Optional
Ethernet/LAN		Optional	Optional	Optional	Optional
Analog I/O box (new) own power		•	•		•
Displayed data					
Temperature	•	•	•	•	•
Setpoint	•	•	•	•	•
High temperature warning				•	•
Low level warning		•	•	•	•
High level warning				•	•
Alarm notification	•	•	•	•	•
Date & Time					•
Features					
Energy saving mode	•	•	•	•	•
RTA	•	•	•	•	•
°C/°F/K selection	•	•	•	•	•
Auto restart	•	•	•	•	•
System temperature limits	•	•	•	•	•
Application temperature limits	•	•	•	•	•
Solenoid valve for tap water					•
3-point calibration				•	•
On/Off timer	•	•	•	•	•
Preset temperatures	5	5	5	5	5
Ramp programs					1
Real time clock	•	•	•	•	•
Multiple languages	3	3	3	8	8

*In combination with a PT100 sensor probe connected to the external application. **Temperature stability data measured according DIN 12876

Thermo Scientific ARCTIC Series Refrigerated Bath Circulators

ARCTIC refrigerated bath circulators feature a stainless steel reservoir and are offered in a range of sizes, depths and openings to meet your application needs. With capacities from 5 L to 30 L, units offer recessed handles and drain port opening at the front for operator convenience. The advanced ventilation design allows two sides of the bath to be blocked (allowing placement in room corner) and still deliver full refrigeration performance without affecting the equipment.

The ARCTIC refrigerated circulators offer tight control of cooling capacities. Built-in energy-saving features limit power consumption for efficient operation, and the thermostat can be repositioned 90° for easier viewing.

Before choosing a bath: It's important to consider the application differences between refrigerated baths and refrigerated circulators when making your selections.

The refrigerated baths (below) are used primarily for controlling the temperature samples placed within them, so the work area dimensions will be important specifications to evaluate. These units can also circulate for a limited set of refrigerated applications.

The refrigerated circulators (Page 6) are typically and primarily used to cool an external application, making the cooling capacity the key specification to consider.

Step 2 Now select your bath below. To see all thermostat specifications, please refer to Page 3

Model		A5B refrigerated bath	A10B refrigerated bath	# A24B refrigerated bath
Temp range	SC100 thermostat	-5 to 100°C	-10 to 100°C	-24 to 100°C
Dimensions (HxWxD) mm/in		471 x 429 x 738 / 18.5 x 16.9 x 29	471 x 429 x 913 / 18.5 x 16.9 x 36	574 x 765 x 610 / 22.6 x 30.1 x 24
Temp range	SC150 thermostat	-5 to 150°C	-10 to 150°C	-24 to 150°C
Dimensions (HxWxD) mm/in		471 x 429 x 738 / 18.5 x 16.9 x 29	471 x 429 x 913 / 18.5 x 16.9 x 36	574 x 765 x 610 / 22.6 x 30.1 x 24
Temp range	SC150L thermostat	—	—	-24 to 150°C
Dimensions (HxWxD) mm/in		—	—	574 x 765 x 610 / 22.6 x 30.1 x 24
Temp range	AC150 thermostat	-5 to 150°C	-10 to 150°C	-24 to 150°C
Dimensions (HxWxD) mm/in		509 x 429 x 738 / 20 x 16.9 x 29	509 x 429 x 913 / 20 x 16.9 x 36	612 x 765 x 610 / 24.1 x 30.1 x 24
Temp range	AC200 thermostat	-5 to 200°C	-10 to 200°C	-24 to 200°C
Dimensions (HxWxD) mm/in		509 x 429 x 738 / 20 x 16.9 x 29	509 x 429 x 913 / 20 x 16.9 x 36	612 x 765 x 610 / 24.1 x 30.1 x 24
Cooling capacity at 20°C 230V/115V		200W	250W	700W
Bath capacity range (liters)*		12 to 20	17 to 30	16 to 27
Work area (DxWxD) mm/in		201 x 297 x 190 / 7.9 x 11.7 x 7.5	201 x 297 x 365 / 7.9 x 11.7 x 14.3	203 x 297 x 313 / 8 x 11.7 x 12.2
Net weight (kg/lb)		40/88.9	44.5/97.9	58.6/128.9

Ordering information: Find the part number by matching the thermostat to the bath size and voltage you need										
Model		A5B refrigerated bath			A10B refrigerated bath			# A24B refrigerated bath		
Voltages		115V/60Hz ^{1,2}	230V/50Hz ¹	100V/50-60Hz ¹	115V/60Hz ^{1,2}	230V/50Hz ¹	100V/50-60Hz ¹	115V/60Hz ^{1,2}	230V/50Hz ¹	100V/50-60Hz ¹
SC 100 thermostat	Order no.	152-4058	152-4051	152-4056	152-4108	152-4101	152-4106	152-4248	152-4241	152-4246
SC 150 thermostat	Order no.	153-4058	153-4051	153-4056	153-4108	153-4101	153-4106	153-4248	153-4241	153-4246
SC 150L thermostat	Order no.	—	—	—	—	—	—	154-4248	154-4241	154-4246
AC 150 thermostat	Order no.	155-4058	155-4051	155-4056	155-4108	155-4101	155-4106	155-4248	155-4241	155-4246
AC 200 thermostat	Order no.	156-4058	156-4051	156-4056	156-4108	156-4101	156-4106	156-4248	156-4241	156-4246

*Bath volume varies depending on the fluid used, temperature range, and items inserted into the reservoir.

Product includes lid.

Certification: ¹CE ²cULus ³RUUS

Visit <http://www.ul.com/global/eng/pages/> to view the UL listings for Thermo Fisher Scientific. Reference file #E164214 for these products.

What's Included: Communication cables, bridge with gasket & thumbscrews, 8mm and 12mm fittings with clamps, pump plug for external circulation, 6-ft. power cord, 3-year warranty (the baths with the # symbol include the lid)

Typical applications:

- Calibration
- Bioreactors
- Rotary Evaporators
- Condensers
- Sample/Material Testing
- Sample/Material Preparation



The thermostat can be repositioned 90° for easier viewing.

The 3 side-ventilation means the unit can be blocked on two sides allowing flexibility when placing in your work area.

3-year warranty on all units

SC 100-A 10 refrigerated circulator

Step 2

Now select your bath below.

To see all thermostat specifications, please refer to Page 3

Model		# A25B refrigerated bath	# A40B refrigerated bath
Temp range	SC100 thermostat	-25 to 100°C	—
Dimensions (HxWxL) mm/in		740 x 324 x 541 / 29 x 12.7 x 21.3	—
Temp range	SC150 thermostat	-25 to 150°C	-28 to 150°C
Dimensions (HxWxL) mm/in		740 x 324 x 541 / 29 x 12.7 x 21.3	810 x 415 x 550 / 32 x 16.3 x 21.7
Temp range	SC150L thermostat	—	-28 to 150°C
Dimensions (HxWxL) mm/in		—	810 x 415 x 550 / 32 x 16.3 x 21.7
Temp range	AC150 thermostat	-25 to 150°C	—
Dimensions (HxWxL) mm/in		778 x 324 x 541 / 30.6 x 12.7 x 21.3	—
Temp range	AC200 thermostat	-25 to 200°C	-40 to 200°C
Dimensions (HxWxL) mm/in		778 x 324 x 541 / 30.6 x 12.7 x 21.3	850 x 415 x 550 / 33.5 x 16.3 x 21.7
Cooling capacity at 20°C 230V/115V		500W	1000W
Bath capacity range (liters)*		13 to 21	6 to 12
Work area (DxWxL) mm/in		233 x 224 x 244 / 9.2 x 8.8 x 9.6	200 x 285 x 200 / 7.9 x 11.2 x 7.9
Net weight (kg/lb)		42.3/93.1	53/117

Ordering information: Find the part number by matching the thermostat to the bath size and voltage you need

Model		# A25B refrigerated bath			# A40B refrigerated bath		
Voltages		115V/60Hz ^{1,2}	230V/50Hz ¹	100V/50-60Hz ¹	208V/60Hz ^{1,2}	230V/50Hz ¹	200V/50-60Hz ¹
SC100 thermostat	Order no.	152-4258	152-4251	152-4256	—	—	—
SC150 thermostat	Order no.	153-4258	153-4251	153-4256	☀	☀	☀
SC150L thermostat	Order no.	—	—	—	☀	☀	☀
AC150 thermostat	Order no.	155-4258	155-4251	155-4256	—	—	—
AC200 thermostat	Order no.	156-4258	156-4251	156-4256	☀	☀	☀

A40B refrigerated baths will be available in October 2010

*Bath volume varies depending on the fluid used, temperature range, and items inserted into the reservoir.

Product includes lid.

Certification: ¹CE ²cULus ³ULus

Visit <http://www.ul.com/global/eng/pages/> to view the UL listings for Thermo Fisher Scientific. Reference file #E164214 for these products.



Now select your bath below.
To see all thermostat specifications, please refer to page 3

Model		# A10 refrigerated circulator	# A25 refrigerated circulator
Temp range	SC100	-10 to 100°C	-25 to 100°C
Dimensions (HxWxL) mm/in	thermostat	632 x 220 x 414 / 24.9 x 8.7 x 16.3	711 x 273 x 483 / 28 x 10.7 x 19
Temp range	SC150	-10 to 150°C	-25 to 150°C
Dimensions (HxWxL) mm/in	thermostat	632 x 220 x 414 / 24.9 x 8.7 x 16.3	711 x 273 x 483 / 28 x 10.7 x 19
Temp range	SC150L	—	-25 to 150°C
Dimensions (HxWxL) mm/in	thermostat	—	711 x 273 x 483 / 28 x 10.7 x 19
Temp range	AC150	-10 to 150°C	-25 to 150°C
Dimensions (HxWxL) mm/in	thermostat	670 x 220 x 414 / 26.4 x 8.7 x 16.3	749 x 273 x 483 / 29.5 x 10.7 x 19
Temp range	AC200	-10 to 200°C	-25 to 200°C
Dimensions (HxWxL) mm/in	thermostat	670 x 220 x 414 / 26.4 x 8.7 x 16.3	749 x 273 x 483 / 29.5 x 10.7 x 19
Cooling capacity at 20°C 230V/115V		240W	500W
Bath capacity range (liters)*		4 to 6	7 to 12
Work area (DxWxL) mm/in		150 x 137 x 124 / 5.9 x 5.4 x 4.9	204 x 173 x 184 / 8 x 6.8 x 7.2
Net weight (kg/lb)		27.5/60.6	36.1/79.5

Ordering information: Find the part number by matching the thermostat to the bath size and voltage you need							
Model		# A10 refrigerated circulator			# A25 refrigerated circulator		
Voltagess		115V/60Hz ^{1,2}	230V/50Hz ¹	100V/50-60Hz ¹	115V/60Hz ^{1,2}	230V/50Hz ¹	100V/50-60Hz ¹
SC100 thermostat	Order no.	152-5108	152-5101	152-5106	152-5258	152-5251	152-5256
SC150 thermostat	Order no.	153-5108	153-5101	153-5106	153-5258	153-5251	153-5256
SC150L thermostat	Order no.	—	—	—	154-5258	154-5251	154-5256
AC150 thermostat	Order no.	155-5108	155-5101	155-5106	155-5258	155-5251	155-5256
AC200 thermostat	Order no.	156-5108	156-5101	155-5106	156-5258	156-5251	156-5256

Model		# A28 refrigerated circulator	# A28F refrigerated circulator	# A40 refrigerated circulator
Temp range	SC100	-28 to 100°C	-28 to 100°C	—
Dimensions (HxWxL) mm/in	thermostat	711 x 273 x 483 / 28 x 10.7 x 19	520 x 514 x 426 / 20.5 x 20.2 x 16.8	—
Temp range	SC150	-28 to 150°C	-28 to 150°C	-28 to 150°C
Dimensions (HxWxL) mm/in	thermostat	711 x 273 x 483 / 28 x 10.7 x 19	520 x 514 x 426 / 20.5 x 20.2 x 16.8	749 x 385 x 519 / 29.5 x 15.1 x 20.4
Temp range	SC150L	-28 to 150°C	-28 to 150°C	-28 to 150°C
Dimensions (HxWxL) mm/in	thermostat	711 x 273 x 483 / 28 x 10.7 x 19	520 x 514 x 426 / 20.5 x 20.2 x 16.8	749 x 385 x 519 / 29.5 x 15.1 x 20.4
Temp range	AC150	-28 to 150°C	-28 to 150°C	-28 to 150°C
Dimensions (HxWxL) mm/in	thermostat	749 x 273 x 483 / 29.5 x 10.7 x 19	558 x 514 x 426 / 22 x 20.2 x 16.8	787 x 385 x 519 / 31 x 15.1 x 20.4
Temp range	AC200	-28 to 200°C	-28 to 200°C	-40 to 200°C
Dimensions (HxWxL) mm/in	thermostat	749 x 273 x 483 / 29.5 x 10.7 x 19	558 x 514 x 429 / 22 x 20.2 x 16.8	787 x 385 x 519 / 31 x 15.1 x 20.4
Cooling capacity at 20°C 230V/115V		320W	320W	800W
Bath capacity range (liters)*		6 to 10	6 to 10	7 to 12
Work area (DxWxL) mm/in		204 x 173 x 129 / 8 x 6.8 x 5	204 x 173 x 129 / 8 x 6.8 x 5	204 x 173 x 184 / 8 x 6.8 x 7.2
Net weight (kg/lb)		36/79.1	35.6/78.3	55.2/121.5

Ordering information: Find the part number by matching the thermostat to the bath size and voltage you need									
Model		# A28 refrigerated circulator			# A28F refrigerated circulator			# A40 refrigerated circulator	
Voltagess		115V/60Hz ^{1,2}	230V/50Hz ¹	100V/50-60Hz ¹	115V/60Hz ^{1,2}	230V/50Hz ¹	100V/50-60Hz ¹	115V/60Hz ^{1,2}	230V/50Hz ¹
SC100 thermostat	Order no.	152-5288	152-5281	152-5286	152-4288	152-4281	152-4286	—	—
SC150 thermostat	Order no.	153-5288	153-5281	153-5286	153-4288	153-4281	153-4286	153-5408	153-5401
SC150L thermostat	Order no.	154-5288	154-5281	154-5286	154-4288	154-4281	154-4286	154-5408	154-5401
AC150 thermostat	Order no.	155-5288	155-5281	155-5286	155-4288	155-4281	155-4286	155-5408	155-5401
AC200 thermostat	Order no.	156-5288	156-5281	156-5286	156-4288	156-4281	156-4286	156-5408	156-5401

*Bath volume varies depending on the fluid used, temperature range, and items inserted into the reservoir.

Product includes lid.

Certification: ¹CE ²cULus ³RUUS

Visit <http://www.ul.com/global/eng/pages/> to view the UL listings for Thermo Fisher Scientific. Reference file #E164214 for these products.

Thermo Scientific GLACIER Series Ultra-Low Refrigerated Circulators

Glacier ultra-low temperature

refrigerated circulators are suitable for external temperature applications with simultaneous operation in the bath tank. These circulators deliver high heating and cooling capacities for rapid heat-up and cool-down times.

Fitted with adjustable castors, drainport, and handles – it's a perfect fit for any environment. Available heated top plate prevents condensation and icing at low temperatures.

Typical applications:

- Jacketed reaction vessels
- Material testing
- Analytical instrumentation
- Calibration
- Condensers
- Crystallization

Step 2



Now select your bath below.

To see all thermostat specifications, please refer to Page 3

Model		G50 ultra-low temperature refrigerated circulator
Temp range	SC100 thermostat	—
Dimensions (WxHxL) mm/in	thermostat	—
Temp range	SC150 thermostat	-28 to 150°C
Dimensions (WxHxL) mm/in	thermostat	810 x 415 x 550 / 32 x 16.5 x 21.5
Temp range	SC150L thermostat	-28 to 150°C
Dimensions (WxHxL) mm/in	thermostat	810 x 415 x 550 / 32 x 16.5 x 21.5
Temp range	AC150 thermostat	—
Dimensions (WxHxL) mm/in	thermostat	—
Temp range	AC200 thermostat	-50 to 200°C
Dimensions (WxHxL) mm/in	thermostat	850 x 415 x 550 / 33.5 x 16.5 x 21.5
Bath capacity range (liters)		6 to 12
Cooling capacity at 20°C / 0°C / -20°C (W)		850 / 700 / 500
Work area (DxWxL) (mm/in)		200 x 285 x 200 / 7.9 x 11.2 x 7.9
Net Weight (kg/lb)		53 / 117

G50 ultra-low refrigerated circulators will be available October, 2010

Ordering Information: Find the part number by matching the thermostat to the bath size and voltage you need

Model		G50 ultra-low refrigerated circulator		
Voltages		208V/60Hz ^{1,3}	230V/50Hz ¹	200V/50-60Hz ¹
SC100 thermostat	Order no.	—	—	—
SC150 thermostat	Order no.	☀	☀	☀
SC150L thermostat	Order no.	☀	☀	☀
AC150 thermostat	Order no.	—	—	—
AC200 thermostat	Order no.	☀	☀	☀

* 115V and 100V versions of this control head need to be connected by an extra power cord and can not be connected directly to the power from the bath.

Certification: ¹ CE ² cUL_{us} ³ cRU_{us}

Visit <http://www.ul.com/global/eng/pages/> to view the UL listings for Thermo Fisher Scientific. Reference file #E164214 for these products.

Thermo Scientific SAHARA Series Heating Bath Circulators

The SAHARA heating bath circulators are ergonomically designed for ease of use and provide multiple certifications for exceptional safety.

Available in capacities from 5 to 49 liters, thermostats are attached by a sturdy bath bridge and can be repositioned 90° for easier viewing.

To meet all of your application requirements, these baths are constructed in a range of sizes and materials. Choose from transparent acrylic, polyphenylene oxide (PPO), or stainless steel.

Typical applications:

- Viscometers
- Spectrophotometers
- Refractometers
- Metrology

What's Included: Communication cables, bridge with gasket & thumbscrews, 8mm and 12mm fittings with clamps, pump plug for external circulation, 6-ft. power cord, 3-year warranty, (the baths with the # symbol include the lid)



Now select your bath below.
To see all thermostat specifications, please refer to Page 3

Transparent Acrylic Baths

These baths are ideal for applications requiring good visibility.

Temperatures are maintained from ambient plus 13°C to a maximum of 60°C.



SC150-S6T acrylic bath

AC150-S12T acrylic bath

AC150-S19T acrylic bath

Model		S6T heated bath	S12T heated bath	S19T heated bath
Temp range	SC100 thermostat	Amb +13 to 60°C	Amb +13 to 60°C	Amb +13 to 60°C
Dimensions (HxWxL) mm/in		360 x 194 x 445 / 14.2 x 7.6 x 17.5	360 x 360 x 370 / 14.2 x 14.2 x 14.6	360 x 360 x 510 / 14.2 x 14.2 x 20.1
Temp range	SC150 thermostat	Amb +13 to 60°C	Amb +13 to 60°C	Amb +13 to 60°C
Dimensions (HxWxL) mm/in		360 x 194 x 445 / 14.2 x 7.6 x 17.5	360 x 360 x 370 / 14.2 x 14.2 x 14.6	360 x 360 x 510 / 14.2 x 14.2 x 20.1
Temp range	SC150L thermostat	—	—	—
Dimensions (HxWxL) mm/in		—	—	—
Temp range	AC150 thermostat	—	Amb +13 to 60°C	Amb +13 to 60°C
Dimensions (HxWxL) mm/in		—	396 x 360 x 370 / 15.6 x 14.2 x 14.6	396 x 360 x 510 / 15.6 x 14.2 x 20.1
Temp range	AC200 thermostat	—	Amb +13 to 60°C	Amb +13 to 60°C
Dimensions (HxWxL) mm/in		—	396 x 360 x 370 / 15.6 x 14.2 x 14.6	396 x 360 x 510 / 15.6 x 14.2 x 20.1
Bath capacity range (liters)		4 to 6	8 to 12	12 to 19
With tap water cooling coil option added		+20°C to 60°C	+20°C to 60°C	+20°C to 60°C
Work area (DxWxL) mm/in		130 x 138 x 225 / 5.1 x 5.4 x 8.8	130 x 300 x 152 / 5.1 x 11.8 x 6	130 x 300 x 320 / 5.1 x 11.8 x 12.6
Net weight (kg/lb)		6.3 / 13.9	7.3 / 16.1	8.7 / 19.1

Ordering information: Find the part number by matching the thermostat to the bath size and voltage you need

Model		S6T heated bath			S12T heated bath			S19T		
Voltages		115V/60Hz	230V/50Hz ¹	100V/50-60Hz ¹	115V/60Hz	230V/50Hz ¹	100V/50-60Hz ¹	115V/60Hz	230V/50Hz ¹	100V/50-60Hz ¹
SC100 thermostat	Order no.	152-2062	152-2061	152-2066	152-2122	152-2121	152-2126	152-2192	152-2191	152-2196
SC150 thermostat	Order no.	153-2062	153-2061	153-2066	153-2122	153-2121	153-2126	153-2192	153-2191	153-2196
SC150L thermostat	Order no.	—	—	—	—	—	—	—	—	—
AC150 thermostat	Order no.	—	—	—	155-2122	155-2121**	155-2126	155-2192	155-2192**	155-2196
AC200 thermostat	Order no.	—	—	—	156-2122	156-2121**	156-2126	156-2192	156-2192**	156-2196

**Voltage is 230/50-60Hz. *Bath volume varies depending on the fluid used, temperature range, and items inserted into the reservoir.

Certification: ¹CE ²UL US ³CSA US

Visit <http://www.ul.com/global/eng/pages/> to view the UL listings for Thermo Fisher Scientific. Reference file #E164214 for these products.

Thermo Scientific SAHARA Series Heating Bath Circulators

Polyphenylene Oxide (PPO)

An economical alternative to stainless steel, these modified polyphenylene oxide baths are thermally resistant up to 100° C and deliver exceptional temperature performance with operational savings. Temperatures are maintained from ambient plus 13°C to 100°C.



SC 150-S 5P PPO heated bath

AC 150-S 14P PPO heated bath

AC 150-S 21P PPO heated bath



Now select your bath below.
To see all thermostat specifications, please refer to page 3

Model		S5P heated bath	S14P heated bath	S21P heated bath
Temp range	SC100 thermostat	Amb +13 to 100°C	Amb +13 to 100°C	Amb +13 to 100°C
Dimensions (HxWxL) mm/in		360 x 187 x 395 / 14.2 x 7.2 x 15.6	360 x 360 x 450 / 14.2 x 14.2 x 17.7	360 x 360 x 650 / 14.2 x 14.2 x 25.6
Temp range	SC150 thermostat	Amb +13 to 100°C	Amb +13 to 100°C	Amb +13 to 100°C
Dimensions (HxWxL) mm/in		360 x 187 x 395 / 14.2 x 7.2 x 15.6	360 x 360 x 450 / 14.2 x 14.2 x 17.7	360 x 360 x 650 / 14.2 x 14.2 x 25.6
Temp range	SC150L thermostat	—	—	—
Dimensions (HxWxL) mm/in		—	—	—
Temp range	AC150 thermostat	—	Amb +13 to 100°C	Amb +13 to 100°C
Dimensions (HxWxL) mm/in		—	396 x 360 x 450 / 15.6 x 14.2 x 17.7	396 x 360 x 650 / 15.6 x 14.2 x 25.6
Temp range	AC200 thermostat	—	Amb +13 to 100°C	Amb +13 to 100°C
Dimensions (HxWxL) mm/in		—	396 x 360 x 450 / 15.6 x 14.2 x 17.7	396 x 360 x 650 / 15.6 x 14.2 x 25.6
Bath capacity range (liters)		3 to 5	8 to 14	13 to 21
With tap water cooling coil option added		+20°C to 100	+20°C to 100	+20°C to 100
Work area (DxWxL) mm/in		130 x 125 x 120 / 5.1 x 4.9 x 4.7	130 x 294 x 157 / 5.1 x 11.6 x 6.2	130 x 294 x 347 / 5.1 x 11.6 x 13.7
Net weight (kg/lb)		5.1 / 11.2	6.3 / 13.9	6.6 / 14.5

Ordering information: Find the part number by matching the thermostat to the bath size and voltage you need

Model		S5P heated bath			S14P heated bath			S21P heated bath		
Voltages		115V/60Hz ^{1,3}	230V/50Hz ¹	100V/50-60Hz ¹	115V/60Hz ^{1,3}	230V/50Hz ¹	100V/50-60Hz ¹	115V/60Hz ^{1,3}	230V/50Hz ¹	100V/50-60Hz ¹
SC100 thermostat	Order no.	152-3052	152-3051	152-3056	152-3142	152-3141	152-3146	152-3212	152-3211	152-3216
SC150 thermostat	Order no.	153-3052	153-3051	153-3056	153-3142	153-3141	153-3146	153-3212	153-3211	153-3216
SC150L thermostat	Order no.	—	—	—	—	—	—	—	—	—
AC150 thermostat	Order no.	—	—	—	155-3142	155-3141**	155-3146	155-3212	155-3211**	155-3216
AC200 thermostat	Order no.	—	—	—	156-3142	155-3141**	156-3146	156-3212	155-3211**	156-3216

¹Voltage is 230/50-60Hz. ²Bath volume varies depending on the fluid used, temperature range, and items inserted into the reservoir.

Certification: ¹CE ²UL^{US} ³RU^{US}

Visit <http://www.ul.com/global/eng/pages/> to view the UL listings for Thermo Fisher Scientific. Reference file #E164214 for these products.

Stainless Steel

Powerful heating circulators with a stainless steel reservoir can be configured with different temperature ranges and volumes with efficient heating for open and closed applications. Rugged and corrosion-resistant for high temperature applications up to 200°C.

Choose from space-saving vertical baths or ergonomically flat baths to fit your lab.



AC 150-S 15 heated bath
Bath cover purchased separately

Step 2

Now select your bath below.
To see all thermostat specifications, please refer to Page 3

Model		# S3 stainless steel heated bath circulator	# S7 stainless steel heated bath circulator
Temp range	SC100 thermostat	Amb +13 to 100°C	Amb +13 to 100°C
Dimensions (HxWxL) mm/in		406 x 235 x 428 / 16 x 9.2 x 16.8	456 x 235 x 428 / 18 x 19.2 x 16.8
Temp range	SC150 thermostat	Amb +13 to 150°C	Amb +13 to 150°C
Dimensions (HxWxL) mm/in		406 x 235 x 428 / 16 x 9.2 x 16.8	456 x 235 x 428 / 18 x 19.2 x 16.8
Temp range	SC150L thermostat	—	Amb +13 to 150°C
Dimensions (HxWxL) mm/in		—	456 x 235 x 428 / 18 x 19.2 x 16.8
Temp range	AC150 thermostat	Amb +13 to 150°C	Amb +13 to 150°C
Dimensions (HxWxL) mm/in		444 x 235 x 428 / 17.5 x 9.2 x 16.8	494 x 235 x 428 / 19.4 x 19.2 x 16.8
Temp range	AC200 thermostat	Amb +13 to 200°C	Amb +13 to 200°C
Dimensions (HxWxL) mm/in		444 x 235 x 428 / 17.5 x 9.2 x 16.8	494 x 235 x 428 / 19.4 x 19.2 x 16.8
With tap water cooling coil option added		+20°C to 100°C	+20°C to 100°C
Bath capacity range (liters)		2 to 5	4 to 7
Work area (DxWxL) mm/in		150 x 154 x 112 / 5.9 x 6 x 4.3	185 x 154 x 112 / 7.3 x 6 x 4.3
Net weight (kg/lb)		9.8/21.5	10.6/23.4

Ordering information: Find the part number by matching the thermostat to the bath size and voltage you need

Model		# S3 stainless steel heated bath circulator			# S7 stainless steel heated bath circulator		
Voltages		115V/60Hz ^{1,2}	230V/50Hz ¹	100V/50-60Hz ¹	115V/60Hz ^{1,2}	230V/50Hz ¹	100V/50-60Hz ¹
SC100 thermostat	Order no.	152-1038	152-1031	152-1036	152-1078	152-1071	152-1076
SC150 thermostat	Order no.	153-1038	153-1031	153-1036	153-1078	153-1071	153-1076
SC150L thermostat	Order no.	—	—	—	154-1078	154-1071	154-1076
AC150 thermostat	Order no.	155-1038	155-1031**	155-1036	155-1078	155-1071**	155-1076
AC200 thermostat	Order no.	156-1038	156-1031**	156-1036	156-1078	156-1071**	156-1076

**Voltage is 230/50-60Hz. *Bath volume varies depending on the fluid used, temperature range, and items inserted into the reservoir.

Product includes lid.

Certification: ¹CE ²UL US ³RU US

Visit <http://www.ul.com/global/eng/pages/> to view the UL listings for Thermo Fisher Scientific. Reference file #E164214 for these products.

Thermo Scientific SAHARA Series Heating Bath Circulators

(Stainless Steel continued)

Step 2



Now select your bath below.

To see all thermostat specifications, please refer to Page 3

Model		# S13 stainless steel heated bath circulator	S15 stainless steel heated bath	S21 stainless steel heated bath
Temp range	SC100 thermostat	Amb +13 to 100°C	Amb +13 to 100°C	Amb +13 to 100°C
Dimensions (HxWxL) mm/in		456 x 321 x 428 / 17.9 x 12.6 x 16.8	456 x 381 x 457 / 17.9 x 15 x 18	409 x 381 x 628 / 16.1 x 15 x 24.7
Temp range	SC150 thermostat	Amb +13 to 150°C	Amb +13 to 150°C	Amb +13 to 150°C
Dimensions (HxWxL) mm/in		456 x 321 x 428 / 17.9 x 12.6 x 16.8	456 x 381 x 457 / 17.9 x 15 x 18	409 x 381 x 628 / 16.1 x 15 x 24.7
Temp range	SC150L thermostat	Amb +13 to 150°C	Amb +13 to 150°C	—
Dimensions (HxWxL) mm/in		456 x 321 x 428 / 17.9 x 12.6 x 16.8	456 x 381 x 457 / 17.9 x 15 x 18	—
Temp range	AC150 thermostat	Amb +13 to 150°C	Amb +13 to 150°C	Amb +13 to 150°C
Dimensions (HxWxL) mm/in		494 x 321 x 428 / 19.4 x 12.6 x 16.8	494 x 381 x 457 / 19.4 x 15 x 18	447 x 628 x 381 / 17.6 x 24.7 x 15
Temp range	AC200 thermostat	Amb +13 to 200°C	Amb +13 to 200°C	Amb +13 to 200°C
Dimensions (HxWxL) mm/in		494 x 321 x 428 / 19.4 x 12.6 x 16.8	494 x 381 x 457 / 19.4 x 15 x 18	447 x 628 x 381 / 17.6 x 24.7 x 15
With tap water cooling coil option added		+20°C to 100°C	+20°C to 100°C	+20°C to 100°C
Bath capacity range (liters)		7 to 11	7 to 17	7 to 17
Work area (DxWxL) mm/in		200 x 239 x 112 / 7.9 x 9.4 x 4.4	202 x 300 x 141 / 7.9 x 11.8 x 5.5	151 x 297 x 312 / 5.9 x 11.7 x 12.3
Net weight (kg/lb)		12.3/27	13.7/30.1	14.2/31.2

Ordering information: Find the part number by matching the thermostat to the bath size and voltage you need

Model		# S13 stainless steel heated bath circulator			S15 stainless steel heated bath			S21 stainless steel heated bath		
Voltages		115V/60Hz ^{1,2}	230V/50Hz ¹	100V/50-60Hz ¹	115V/60Hz ^{1,2}	230V/50Hz ¹	100V/50-60Hz ¹	115V/60Hz ^{1,2}	230V/50Hz ¹	100V/50-60Hz ¹
SC100 thermostat	Order no.	152-1138	152-1131	152-1136	152-1158	152-1151	152-1156	152-1218	152-1211	152-1216
SC150 thermostat	Order no.	153-1138	153-1131	153-1136	153-1158	153-1151	153-1156	153-1218	153-1211	153-1216
SC150L thermostat	Order no.	154-1138	154-1131	154-1136	154-1158	154-1151	154-1156	—	—	—
AC150 thermostat	Order no.	155-1138	155-1131**	155-1136	155-1158	155-1151**	155-1156	155-1218	155-1211**	155-1216
AC200 thermostat	Order no.	156-1138	156-1131**	156-1136	156-1158	156-1151**	156-1156	156-1218	156-1211**	156-1216

**Voltage is 230/50-60Hz. *Bath volume varies depending on the fluid used, temperature range, and items inserted into the reservoir.

Product includes lid.

Certification: ¹ CE ² cULus ³ RUS

Visit <http://www.ul.com/global/eng/pages/> to view the UL listings for Thermo Fisher Scientific. Reference file #E164214 for these products.



Model		S30 stainless steel heated bath	S45 stainless steel heated bath	S49 stainless steel heated bath
Temp range	SC100 thermostat	Amb +13 to 100°C	Amb +13 to 100°C	Amb +13 to 100°C
Dimensions (HxWxL) mm/in		456 x 381 x 628 / 17.9 x 15 x 24.7	556 x 381 x 628 / 21.9 x 15 x 24.7	456 x 579 x 746 / 17.9 x 22.8 x 29.4
Temp range	SC150 thermostat	Amb +13 to 150°C	Amb +13 to 150°C	Amb +13 to 150°C
Dimensions (HxWxL) mm/in		456 x 381 x 628 / 17.9 x 15 x 24.7	556 x 381 x 628 / 21.9 x 15 x 24.7	456 x 579 x 746 / 17.9 x 22.8 x 29.4
Temp range	SC150L thermostat	Amb +13 to 150°C	Amb +13 to 150°C	Amb +13 to 150°C
Dimensions (HxWxL) mm/in		456 x 381 x 628 / 17.9 x 15 x 24.7	556 x 381 x 628 / 21.9 x 15 x 24.7	456 x 579 x 746 / 17.9 x 22.8 x 29.4
Temp range	AC150 thermostat	Amb +13 to 150°C	Amb +13 to 150°C	Amb +13 to 150°C
Dimensions (HxWxL) mm/in		494 x 381 x 628 / 19.4 x 15 x 24.7	594 x 381 x 628 / 23.4 x 15 x 24.7	494 x 579 x 746 / 19.4 x 22.8 x 29.4
Temp range	AC200 thermostat	Amb +13 to 200°C	Amb +13 to 200°C	Amb +13 to 200°C
Dimensions (HxWxL) mm/in		494 x 381 x 628 / 19.4 x 15 x 24.7	594 x 381 x 628 / 23.4 x 15 x 24.7	494 x 579 x 746 / 19.4 x 22.8 x 29.4
With tap water cooling coil option added		+20°C to 100°C	+20°C to 100°C	+20°C to 100°C
Bath capacity range (liters)*		14 to 24	30 to 41	29 to 51
Work area (DxWxL) mm/in		200 x 297 x 312 / 7.9 x 11.7 x 12.3	300 x 298 x 312 / 11.8 x 11.7 x 12.3	200 x 498 x 430 / 7.9 x 19.6 x 16.9
Net weight (kg/lb)		16.5/36.2	20.3/44.7	24.3/53.4

Ordering information: Find the part number by matching the thermostat to the bath size and voltage you need

Model		S30 stainless steel heated bath			S45 stainless steel heated bath			S49 stainless steel heated bath		
Voltages		115V/60Hz ^{1,2}	230V/50Hz ¹	100V/50-60Hz ¹	115V/60Hz ^{1,2}	230V/50Hz ¹	100V/50-60Hz ¹	115V/60Hz ^{1,2}	230V/50Hz ¹	100V/50-60Hz ¹
SC100 thermostat	Order no.	152-1308	152-1301	152-1306	152-1458	152-1451	152-1456	152-1498	152-1491	152-1496
SC150 thermostat	Order no.	153-1308	153-1301	153-1306	153-1458	153-1451	153-1456	153-1498	153-1491	143-1496
SC150L thermostat	Order no.	154-1308	154-1301	154-1306	154-1458	154-1451	154-1456	154-1498	154-1491	154-1496
AC150 thermostat	Order no.	155-1308	155-1301**	155-1306	155-1458	155-1451**	155-1456	155-1498	155-1491**	155-1496
AC200 thermostat	Order no.	156-1308	156-1301**	156-1306	156-1458	156-1451**	156-1456	156-1498	156-1491**	156-1496

*Bath volume varies depending on the fluid used, temperature range, and items inserted into the reservoir. **Voltage is 230/50-60Hz

Certification: ¹CE ²cUL^{us} ³cRU^{us}

Visit <http://www.ul.com/global/eng/pages/> to view the UL listings for Thermo Fisher Scientific. Reference file #E164214 for these products.



Step 3



Add your Bath/Circulator Accessories

Part#	Bath / Circulators Accessories
160-0002	Universal stainless steel Rack for bath types A5B, A10B, A24B, S49, S19T, S14P, S21P. 283x145mm. Two inserts with different sizes of holes can be varied in height within the rack.
160-0003	2x Rack Inserts 283x145mm rack for 86 Test Tubes, of 10mm Ø
160-0004	2x Rack Insert 283x145mm rack for 46 Test Tubes, of 16mm Ø
160-0005	2x Rack Insert 283x145mm rack for 23 Test Tubes, of 25mm Ø
160-0006	2x Rack Inserts 283x145mm rack without Holes; customer may provide special size holes
160-0079	Universal stainless steel Rack for bath types A25B, A40, S21, S30. 160x145mm. Two inserts with different sizes of holes can be varied in height within the rack.
160-0080	2x Rack Inserts 160x145mm rack for 86 Test Tubes, of 10mm Ø
160-0081	2x Rack Insert 160x145mm rack for 46 Test Tubes, of 16mm Ø
160-0082	2x Rack Insert 160x145mm rack for 23 Test Tubes, of 25mm Ø
160-0083	2x Rack Inserts 160x145mm rack without Holes; customer may provide special size holes
160-0026	Stainless steel Rack 160X100mm for bath types S13, S12T, S15. Two inserts with different sizes of holes can be varied in height within the rack
160-0084	2x Rack Inserts 160x100mm rack for 86 Test Tubes, of 10mm Ø
160-0085	2x Rack Insert 160x100mm rack for 46 Test Tubes, of 16mm Ø
160-0086	2x Rack Insert 160x100mm rack for 23 Test Tubes, of 25mm Ø
160-0087	2x Rack Inserts 160x100mm rack without Holes; customer may provide special size holes
333-0134	Plastic Inserts, which snap into the 16mm holes of the rack inserts. Converts 16 mm to 3-10mm Ø, 50 Pieces
333-0135	Plastic Inserts, which snap into the 25mm holes of the rack inserts. Converts 25 mm to 5-17mm Ø, 25 Pieces
160-0066	Paillette rack for max. 30 paillettes, 4,2 mm Ø
160-0067	Paillette rack for max. 30 paillettes 2 mm Ø
160-0007	Extension bridge for S15, S21, S30, S45 Liftplate
160-0077	Extension bridge for S15, S21, S30, S45 add immersion cooler
160-0078	Steel bridge to hold SC or AC control head for use with legacy W13, W15, W26, W45, W46 baths
160-0009	Extension bridge for S49 Liftplate
160-0036	Extension bridge for A5B, A10B Liftplate
160-0018	Bridge adjustable in widths between 300 and 800 mm , for SC, AC & PC Bridge Circulators,
160-0011	Lifting Platform, stainless steel for S21, S30, S45, A10B
160-0012	Lifting Platform, stainless steel for S15, A5B
160-0013	Lifting Platform stainless steel for S49

Part#	Bath / Circulators Accessories (continued)
160-0014	Tap Water Cooling Coil for regular bath bridge SC100/150 & AC150/200 for S13, S15, S21, S30, S45, S49, S14P, S21P, S12T, S19T
160-0015	Tap Water Cooling Coil, short, for clamp holder Immersion Circulator SC100 & SC150
160-0016	Tap Water Cooling Coil, long, for regular bath bridge SC150L for S13, S15, S30, S45, S49
160-0017	Tap Water Cooling Coil, long, for clamp holder Immersion Circulator SC150L
160-0090	Tap Water Cooling Coil for S5P with SC100/150 including extra stainless steel lid
160-0091	Tap Water Cooling Coil for S6T with SC100/150
160-0092	Tap Water Cooling Coil for S3 & S7 with SC100/150 including extra stainless steel lid
160-0093	Tap Water Cooling Coil for S7 with SC150L including extra stainless steel lid
160-0094	Tap Water Cooling Coil for S3& S7 with AC150/AC200 including extra stainless steel lid
160-0027	Communication extension board for RS232
160-0075	Communication extension board for RS485
160-0076	Communication extension board for Ethernet/LAN
160-0033	Interface Cable USB 1,8m long
160-0034	Interface Cable RS485 2m long
160-0035	Interface Cable LAN 2m long
222-1358	Interface Cable RS232
011-1147	Power cable 230V / 50 Hz for DE/EU
011-1148	Power cable 230V / 50 Hz for China
011-5163	Power cable 230V / 50 Hz for UK
011-5012	User manual for systems with Standard thermostat SC - in German
011-5013	User manual for systems with Standard thermostat SC - in English
011-5014	User manual for systems with Standard thermostat SC - in French
011-5015	UL/CSA version SC user manual english
Part#	Covers / Lids
160-0020	Stainless steel Bath lid for S5P Bath
160-0021	Stainless steel Bath lid for S14P Bath
160-0022	Stainless steel Bath lid for S21P Bath
160-0037	Stainless Steel Bath lid,flat with handle for S15
160-0038	Stainless Steel Bath lid,flat with handle for S21, S30, S45
160-0040	Stainless Steel Bath lid,flat with handle for S49
160-0041	Stainless Steel Bath lid,flat with handle for A5B
160-0042	Stainless Steel Bath lid,flat with handle for A10B
160-0043	Stainless Steel Bath lid,flat with handle for A25B
160-0044	Stainless Steel Bath lid,flat with handle for A24B
827-0310	Plastic Balls as Floating Bath Cover to reduce evaporation, max bath temperature 90°C. Pack with 500 balls sufficient for 0,2 m ₂

Part#	Tubing
082-0172	Perbunan Tubing, For -40°C to +100°C Temperature Range, 8mm i. Ø per meter
082-0173	Perbunan Tubing, For -40°C to +100°C Temperature Range, 12mm i. Ø per meter
082-0745	PVC Tubing, For Use with Water Only, 8mm i.Ø per meter
082-0304	PVC Tubing, For Use with Water Only, 12mm i.Ø per meter
082-0663	Silicone Tubing, For -30°C to +220°C Temperature Range, Not to be Used with Silicone Oil, 8mm i. Ø per meter
082-0664	Silicone Tubing, For -30°C to +220°C Temperature Range, Not to be Used with Silicone Oil, 12mm i. Ø per meter
082-1214	Viton Tubing, For -60°C to +200°C Temperature Range, 8mm i. Ø per meter
082-1215	Viton Tubing, For -60°C to +200°C Temperature Range, 12mm i. Ø per meter
333-0292	Insulated metal tubing stainless steel with M16x1 unions on both ends. For Temp.Range -50 to +300°C. 50cm long.
333-0293	Insulated metal tubing stainless steel with M16x1 unions on both ends. For Temp.Range -50 to +300°C. 100cm long.
333-0294	Insulated metal tubing stainless steel with M16x1 unions on both ends. For Temp.Range -50 to +300°C. 150cm long.
333-0578	Insulated metal tubing stainless steel with M16x1 unions on both ends. For Temp.Range -90 to 105°C. 100cm long
333-0579	Insulated metal tubing stainless steel with M16x1 unions on both ends. For Temp.Range -90 to 105°C. 150cm long
Part#	Tubing Accessories
000-2716	Tubing clamp for tubings 12 mm i. Ø per meter
000-2025	Tubing clamp for tubings 8 mm i. Ø per meter
000-2656	Tubing clamp for tubings 12 mm i. Ø per meter
000-2711	Tubing clamp for tubings 8 mm i. Ø per meter
160-0028	Adapter M16x1 female/1/4"NPTF male
160-0029	Adapter M16x1 male/1/4"NPTF male
001-0797	Coupling Nut M 16 x 1, Stainless Steel, for attaching hose couplings 001-1209, 001-1210 and 001-3718
001-0798	Closing plate, stainless steel, for coupling nut 001-0797, for sealing the pressure and suction nozzles
001-1209	Tubing fitting, stainless steel, for tubings with 8 mm i. Ø per meter (for M16x1 connection)
001-1210	Tubing fitting, stainless steel, for tubings with 12 mm i. Ø per meter (for M16x1 connection)
001-2560	Connection Coupling M16x1-M16x1 for Insulated Stainless Steel Tubing
001-3718	Universal Hose Nozzle for Tubing of 3 to 6mm Ø (for M16x1 connection)
333-0147	Spiral spring to prevent kinks for tubings with 12 mm i. Ø per meter
333-0314	Coupling stainless steel, R3/8" - M16 x 1 coupling nut
806-0435	T- piece for tubings with 12 mm i. Ø per meter
806-0410	T- piece for tubings with 8 mm i. Ø per meter
806-0419	Tubing pinch cock

Part#	Temperature Sensors
333-0429	Pt100 Sensor TT stainless steel, 150mm long, diameter 3mm, cable length 3m.
333-0428	Pt100 Sensor ST stainless steel, 27mm long, diameter 3mm, with thread M10x1, cable length 3m.
333-0423	Pt100 Sensor HT stainless steel, 100mm long, diameter 3mm, cable length 3m. Only to be used with T-piece 001-1766
001-1766	T-piece adapter for Pt100 Sensor H, to be used in metal tubings lines, M 16 x 1 union
333-0818	Sensor BT Pt100 Sensor, teflon coated, flexible, 300 mm long, Ø 3 mm, cable length 3 m
Part#	Heat Transfer Fluids
999-0203	Sil 180 Silicone Oil Bath Liquid, Temperature Range -40°C to 200°C, 5L Container
999-0204	Sil 180 Silicone Oil Bath Liquid, Temperature Range -40°C to 200°C, 10L Container
999-0225	Synth 200 Bath Liquid, Temperature Range +20°C to +210°C, 5L Container
999-0226	Synth 200 Bath Liquid, Temperature Range +20°C to +210°C, 10L Container
128-0019	Ethylene Glycol, 5 Gallon (approx. 19 Liter)

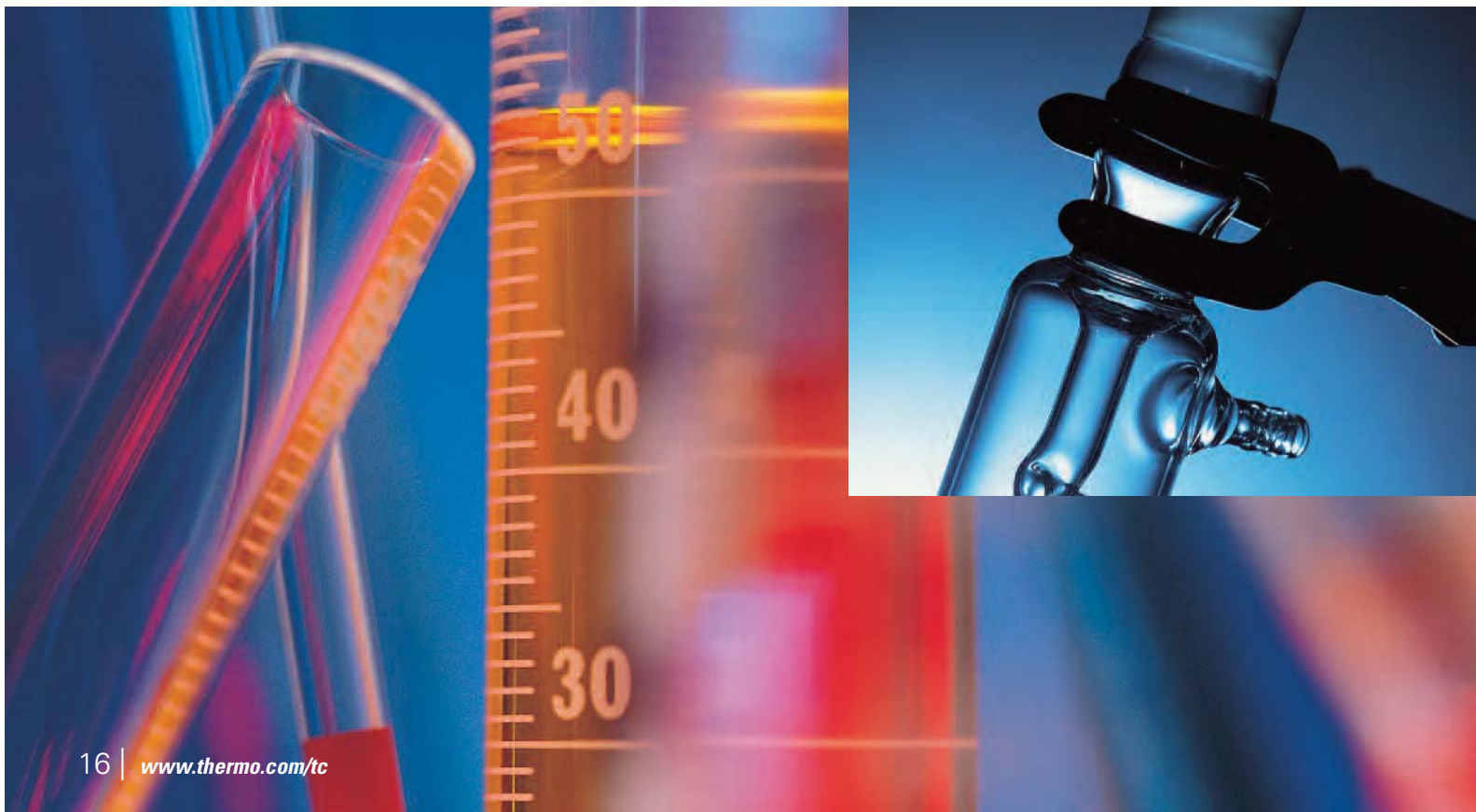
Step 4 Choose Your Services Options

Protect your investment and plan for the future – the time to act is now

Whether you are concerned about cost management, maximizing system uptime, or guaranteed quality of service, Thermo Scientific service solutions are always the right choice. Only the original equipment manufacturer can provide complete service solutions to match your needs, backed by factory certified repairs. Let the temperature control experts develop a life cycle management plan specifically for you.



* Please contact your representative for qualification.



Professional Standard Service Offerings

Extended Warranty and Repair Services

Securing an Extended Warranty or Repair Service Plan from the original manufacturer just makes -good business sense. You continue to get the same benefits as the original warranty, giving you peace of mind.

Service Features & Benefits

- All parts and labor covered
- Affordable pricing
- Repairs performed by certified factory trained technicians
- Only original OEM parts used
- No unexpected repair costs
- No need to generate a PO to obtain service for better budget control

Preventative Maintenance / Calibration

Extend the functional integrity of your system via a scheduled preventative maintenance and calibration service. Regularly scheduled preventative maintenance can help prevent premature failure of critical components including pumps, compressors and fan motors.

Service Features & Benefits


- Performance verification testing
- Temperature calibration full functional testing
- Cleaning, including condenser and strainer
- Check refrigeration and water pressures
- Fluid and refrigeration leak testing
- Improved performance
- Extend component life
- Protection against premature component failure

Custom Service Solutions

If your needs aren't met by our standard service offerings, let us design a custom service solution that will specifically meet your requirements.

Custom Solutions include:

- Multiple unit agreements
- Special pricing for bundled services
- Customer training programs
- Swap strategies
- Spare parts management
- Application support
- Refurbishment as new
- One rate pricing
- Loaner programs
- Rentals



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